Alfonso Carlosena

List of Publications by Citations

93 papers	**1,231** citations
15 h-index	**31** g-index
105 ext. papers	**1,466** ext. citations
2.3 avg, IF	**4** L-index

#	Paper	IF	Citations
93	The flipped voltage follower: a useful cell for low-voltage low-power circuit design. *IEEE Transactions on Circuits and Systems Part 1: Regular Papers*, **2005**, 52, 1276-1291		367
92	Nullators and norators in voltage to current mode transformations. *International Journal of Circuit Theory and Applications*, **1993**, 21, 421-424	2	58
91	Current-Mode Multiplier/Divider Circuits Based on the MOS Translinear Principle **2001**, 28, 265-278		51
90	. *IEEE Transactions on Circuits and Systems Part 1: Regular Papers*, **1994**, 41, 906-908		39
89	Approach to the synthesis of canonic RC-active oscillators using CCII. *IET Circuits, Devices and Systems*, **1994**, 141, 493		37
88	1.5-V MOS translinear loops with improved dynamic range and their applications to current-mode signal processing. *IEEE Transactions on Circuits and Systems Part 2: Express Briefs*, **2003**, 50, 918-927		32
87	Systematic Design of Companding Systems by Component Substitution **2001**, 28, 91-106		28
86	Performance Tradeoffs of Three Novel GMR Contactless Angle Detectors. *IEEE Sensors Journal*, **2009**, 9, 191-198	4	27
85	1.5-V current-mode CMOS true RMS-DC converter based on class-AB transconductors. *IEEE Transactions on Circuits and Systems Part 2: Express Briefs*, **2005**, 52, 376-379		23
84	. *IEEE Transactions on Circuits and Systems*, **1990**, 37, 543-546		21
83	Unified approach to the implementations of universal active devices. *Electronics Letters*, **1994**, 30, 618-620	2.1	18
82	. *IEEE Transactions on Instrumentation and Measurement*, **2008**, 57, 309-320	5.2	17
81	1.5-V square-root domain second-order filter with on-chip tuning. *IEEE Transactions on Circuits and Systems Part 1: Regular Papers*, **2005**, 52, 1996-2006		17
80	A CMOS A/D Converter with Piecewise Linear Characteristic and Its Application to Sensor Linearization. *Analog Integrated Circuits and Signal Processing*, **2003**, 36, 39-46	1.2	17
79	A Compact Four-Quadrant Floating-Gate MOS Multiplier. *Analog Integrated Circuits and Signal Processing*, **2004**, 41, 159-166	1.2	16
78	A 1.5 V Current-Mode CMOS RMS-to-DC Converter. *Analog Integrated Circuits and Signal Processing*, **2003**, 36, 137-143	1.2	15
77	Analysis of a negative impedance converter as a temperature compensator for bridge sensors. *IEEE Transactions on Instrumentation and Measurement*, **2003**, 52, 1068-1072	5.2	15

76	MOSFET-C filter with on-chip tuning and wide programming range. *IEEE Transactions on Circuits and Systems Part 2: Express Briefs*, **2001**, 48, 944-951		15
75	1.5 V CMOS companding filter. *Electronics Letters*, **2002**, 38, 1346	1.1	15
74	Analog Universal Active Device: Theory, Design and Applications. *Analog Integrated Circuits and Signal Processing*, **1997**, 12, 153-168	1.2	14
73	Design of High-Order Phase-Lock Loops. *IEEE Transactions on Circuits and Systems Part 2: Express Briefs*, **2007**, 54, 9-13		14
72	Randomized Carrier PWM With Exponential Frequency Mapping. *IEEE Transactions on Power Electronics*, **2007**, 22, 960-966	7.2	14
71	Novel transimpedance filter topology for instrumentation. *IEEE Transactions on Instrumentation and Measurement*, **1997**, 46, 862-867	5.2	13
70	1.5 V four-quadrant CMOS current multiplier divider. *Electronics Letters*, **2003**, 39, 434	1.1	13
69	. *IEEE Transactions on Circuits and Systems Part 1: Regular Papers*, **1993**, 40, 141-143		13
68	1.2-V 5-/spl mu/W class-AB CMOS log-domain integrator with multidecade tuning. *IEEE Transactions on Circuits and Systems Part 2: Express Briefs*, **2005**, 52, 665-668		12
67	Very Low Voltage MOS Translinear Loops Based on Flipped Voltage Followers. *Analog Integrated Circuits and Signal Processing*, **2004**, 40, 71-74	1.2	12
66	. *IEEE Transactions on Instrumentation and Measurement*, **2002**, 51, 660-665	5.2	12
65	Instrument for the measurement of the instantaneous frequency. *IEEE Transactions on Instrumentation and Measurement*, **2000**, 49, 783-789	5.2	12
64	Design of MOS-translinear Multiplier/Dividers in Analog VLSI. *VLSI Design*, **2000**, 11, 321-329		11
63	. *IEEE Transactions on Audio Speech and Language Processing*, **2006**, 14, 1422-1431		10
62	. *IEEE Transactions on Circuits and Systems Part 2: Express Briefs*, **1994**, 41, 151-156		10
61	. *IEEE Transactions on Circuits and Systems Part 1: Regular Papers*, **1994**, 41, 79-81		10
60	A course on instrumentation: the signal processing approach. *IEEE Transactions on Education*, **1997**, 40, 297-297	2.1	9
59	Effect of the glottal source and the vocal tract on the partials amplitude of vibrato in male voices. *Journal of the Acoustical Society of America*, **2006**, 119, 2483-97	2.2	9

| 58 | 1.5 V tunable Square-Root Domain filter. *Electronics Letters*, **2004**, 40, 213 | 1.1 | 9 |

| 57 | DSP-based implementation of an ANSI S1.11 acoustic analyzer. *IEEE Transactions on Instrumentation and Measurement*, **2003**, 52, 1213-1219 | 5.2 | 9 |

| 56 | Sensor signal linearization techniques: A comparative analysis **2013**, | | 8 |

| 55 | General method for phase-locked loop filter analysis and design. *IET Circuits, Devices and Systems*, **2008**, 2, 249 | 1.1 | 8 |

| 54 | Sensing in Coin Discriminators **2007**, | | 8 |

| 53 | On asymmetric analysis windows for detection of closely spaced signal components. *Mechanical Systems and Signal Processing*, **2006**, 20, 702-717 | 7.8 | 8 |

| 52 | Loeb's criterion and latch-up effect in second order oscillators with single OA. *International Journal of Electronics*, **1987**, 63, 655-660 | 1.2 | 8 |

| 51 | Multiple operating points in a square-root domain first-order filter. *International Journal of Circuit Theory and Applications*, **2007**, 35, 71-91 | 2 | 7 |

| 50 | A 1 V Micropower FGMOS Class AB Log-Domain Filter. *Analog Integrated Circuits and Signal Processing*, **2004**, 41, 137-145 | 1.2 | 7 |

| 49 | Vibrato in Singing Voice: The Link between Source-Filter and Sinusoidal Models. *Eurasip Journal on Advances in Signal Processing*, **2004**, 2004, 1 | 1.9 | 7 |

| 48 | Nonparametric spectrum interpolation methods: a comparative study. *IEEE Transactions on Instrumentation and Measurement*, **2001**, 50, 1127-1132 | 5.2 | 7 |

| 47 | On the experimental methods to characterize the opamp response: a critical view. *IEEE Transactions on Circuits and Systems Part 1: Regular Papers*, **1996**, 43, 245-249 | | 7 |

| 46 | High-order PLL design with constant Phase Margin **2010**, | | 6 |

| 45 | . *IEEE Transactions on Audio Speech and Language Processing*, **2006**, 14, 1413-1421 | | 6 |

| 44 | Low-Voltage CMOS Nonlinear Transconductors and Their Application to Companding Current-Mode Filters. *Analog Integrated Circuits and Signal Processing*, **2004**, 38, 137-147 | 1.2 | 6 |

| 43 | A symbolic method for network function approximation with order reduction. *International Journal of Circuit Theory and Applications*, **2000**, 28, 313-318 | 2 | 6 |

| 42 | Low-cost analog interface circuit for resistive bridge sensors **2013**, | | 5 |

| 41 | Generalized Eigenvalues of Nonsquare Pencils with Structure. *SIAM Journal on Matrix Analysis and Applications*, **2008**, 30, 41-55 | 1.5 | 5 |

40	A Novel Design Method for Phase-Locked Loops of any Order and Type **2006**,		5
39	Extending the limits of resolution for narrow-band harmonic and modal analysis: a non-parametric approach. *Measurement Science and Technology*, **2002**, 13, 2082-2089	2	5
38	A compact low-voltage four quadrant FGMOS multiplier		5
37	A phenomenological spice model for magneto-impedance sensors. *International Journal of Circuit Theory and Applications*, **2012**, 40, 275-286	2	4
36	Active RC impedances revisited. *International Journal of Circuit Theory and Applications*, **1997**, 25, 289-305		4
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34	Voice Production Mechanisms of Vocal Vibrato in Male Singers. *IEEE Transactions on Audio Speech and Language Processing*, **2007**, 15, 320-332		4
33	Signal processing in ocean bottom seismographs for refraction seismology. *IEEE Transactions on Instrumentation and Measurement*, **2006**, 55, 652-658	5.2	4
32	Very Low Voltage CMOS Current Multiplier with Floating DC Level Shifters. *Analog Integrated Circuits and Signal Processing*, **2003**, 37, 265-268	1.2	4
31	On the Use of Symbolic Analyzers in Circuit Synthesis **2000**, 25, 67-75		4
30	Phase-locked loop design for on-chip tuning applications. *Electronics Letters*, **2000**, 36, 699	1.1	4
29	Design conditions for second order oscillators using a single operational amplifier. *International Journal of Electronics*, **1991**, 70, 165-170	1.2	4
28	. *IEEE Transactions on Instrumentation and Measurement*, **1993**, 42, 775-778	5.2	4
27	Performance Comparison and Design Guidelines for Type II and Type III PLLs. *Circuits, Systems, and Signal Processing*, **2015**, 34, 3395-3408	2.2	3
26	Use of a CCII as a universal building block. *Microelectronics Journal*, **1997**, 28, 543-550	1.8	3
25	Accurate analysis of R-active circuits. *International Journal of Circuit Theory and Applications*, **1993**, 21, 101-106	2	3
24	Low-Voltage MOS Translinear Analog Signal Processing. *Circuits, Systems, and Signal Processing*, **2009**, 28, 795-804	2.2	2
23	Performance Tradeoffs of Three Contactless Angle Detection Systems **2007**,		2

22	Versatile Automotive Sensor Interface ASIC **2007**,		2
21	A 1V micropower FGMOS log-domain filter		2
20	. *IEEE Transactions on Instrumentation and Measurement*, **1991**, 40, 644-646	5.2	2
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8	AC coupled amplifier with a resistance multiplier technique for ultra-low frequency operation. *AEU - International Journal of Electronics and Communications*, **2022**, 149, 154176	2.8	1
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6	Low-Voltage Rail-to-Rail Tunable FGMOS Transconductor. *Analog Integrated Circuits and Signal Processing*, **2003**, 36, 251-254	1.2	
5	Automated simplified analysis of analogue circuit behaviour based on fully symbolic relations between parameters. *International Journal of Electronics*, **2001**, 88, 1103-1115	1.2	

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3	Unified approach to the synthesis of active compensated op.-amp. circuits. *International Journal of Electronics*, **1990**, 68, 247-257	1.2
2	Stability of negative feedback systems. *International Journal of Electronics*, **1987**, 62, 257-264	1.2
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